

wherein at least 96% of the carbon atoms bearing boron are of the [bonds between the C and the B are in an] L-configuration:

wherein A' comprises an amino acid; and

wherein the compound inhibits DPMV activity.

36. (Amended) The [compound] mixture of claim 35, wherein X¹ and X² are hydroxyl groups.

37. (Amended) The [compound] mixture of claim 35, wherein at least 97% of the carbon atoms bearing boron are of the [bonds between the C and the B are in an] L-configuration.

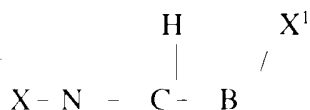
38. (Amended) The [compound] mixture of claim 35, wherein at least 98% of the carbon atoms bearing boron are of the [bonds between the C and the B are in an] L-configuration.

39. (Amended) The [compound] mixture of claim 35, wherein 99% of the carbon atoms bearing boron are of the [bonds between the C and the B are in an] L-configuration.

40. (Amended) The [compound] mixture of claim 35, wherein A' is valine.

41. (Amended) The [compound] mixture of claim 35, wherein A' is alanine.

42. (Amended) A mixture of stereoisomers consisting of two or more compounds of the following structure [An isolated compound having the structure]:



CH

wherein each X¹ and X² is, independently, a hydroxyl group or a group capable of being

ionized at a pH of 7.4 or greater, or a group capable of being ionized at a pH of 7.4 or greater.

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wherein at least 96 % of the carbon atoms bearing boron are of the [bonds between the C and the B are in an] L-configuration:

wherein X comprises an amino acid or a peptide; and

wherein the compound inhibits DPIV activity.

43. (Amended) The [compound] mixture of claim 42, wherein X¹ and X² are hydroxyl groups.

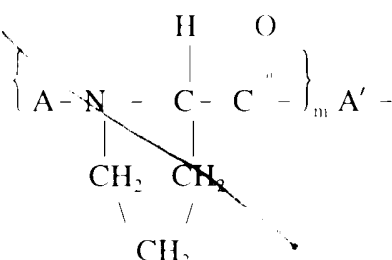
44. (Amended) The [compound] mixture of claim 42, wherein at least 97% of the carbon atoms bearing boron are of the [bonds between the C and the B are in an] L-configuration.

45. (Amended) The [compound] mixture of claim 42, wherein at least 98% of the carbon atoms bearing boron are of the [bonds between the C and the B are in an] L-configuration.

46. (Amended) The [compound] mixture of claim 42, wherein 99% of the carbon atoms bearing boron are of the [bonds between the C and the B are in an] L-configuration.

47. (Amended) The [compound] mixture of claim 42, wherein X is an L-amino acid.

48. (Amended) The [compound] mixture of claim 43, wherein X is a peptide having the structure



wherein A and A' are L-amino acid residues such that the A in each repeating bracketed unit can be the same or a different amino acid residue.